

Table 4.14-2 NorthWestern Energy Generation Interconnection Queue (May 2008)



INTERCONNECTION QUEUE													
Project Number	Queue Position	Date Interconnection Request Received	Location	Interconnect Point	Type of Interconnection Service Requested	NorthWestern Energy Affiliate	In-Service Date	Generating Facility Type	Summer Output (MW)	Winter Output (MW)	Status	Studies Available	Comments
14	1	August 28, 2001	Yellowstone County, Montana	Broadview Substation	Energy Resource		May 31, 2009	Base Load - Coal Fired	700	700	Active	Feasibility Study System Impact Study Facilities Study	Certain studies in the interconnection process for this project have been delayed due to customer requests or at NorthWestern's request, in accordance with the LGIP/OATT, but the project's queue position is still active and appropriate. These studies are available and posted on this site.
31	2	May 11, 2004	Stillwater County, Montana	Wilsall - Shorey Road 230 kV Line	Network Resource		December 31, 2011	Wind	396	396	Active	Feasibility Study System Impact Study	Revised In-Service Date at Interconnection Customer's request. Certain studies in the interconnection process for this project have been delayed due to customer requests or at NorthWestern's request, in accordance with the LGIP/OATT, but the project's queue position is still active and appropriate. These studies are available and posted on this site.
32		July 1, 2004	Cascade County, Montana	Great Falls 230 kV Switchyard	Network Resource		March 31, 2009	Base Load- Coal Fired	268	268	Signed LGIA	Feasibility Study System Impact Study	Large Generator Interconnecton Agreement executed.
33	3	November 3, 2004	Wheatland County, Montana	Martinsdale Substation	Network Resource		June 30, 2009	Wind	52.5	52.5	Active	Feasibility Study System Impact Study	Output size reduced from 75 MW to 52.5 MW. In-Service Date Revised. Certain studies in the interconnection process for this project have been delayed due to customer requests or at NorthWestern's request, in accordance with the LGIP/OATT, but the project's queue position is still active and appropriate. These studies are available and posted on this site.
38	4	August 1, 2005	Wheatland County, Montana	Martinsdale Substation	Energy Resource		June 30, 2009	Wind	81.9	81.9	Active	Feasibility Study	Output reduced from 82.5 MW to 81.9 MW with approved wind turbine change. In-Service Date Revised. Certain studies in the interconnection process for this project have been delayed due to customer requests or at NorthWestern's request, in accordance with the LGIP/OATT, but the project's queue position is still active and appropriate. These studies are available and posted on this site.
39	5	August 12, 2005	Yellowstone County, Montana	Billings Steam Plant Switchyard	Network Resource		Upon completion of interconnection process.	Base Load - Coal Fired	22	22	Active	Feasibility Study System Impact Study	Certain studies in the interconnection process for this project have been delayed due to customer requests or at NorthWestern's request, in accordance with the LGIP/OATT, but the project's queue position is still active and appropriate. These studies are available and posted on this site.
44	7	April 10, 2006	Pondera County, Montana	South Cut Bank to Conrad Auto 115kV	Network Resource		October 15,2008	Wind	104 MW	104 MW	Active	Feasibility System Impact Study	Certain studies in the interconnection process for this project have been delayed due to customer requests or at NorthWestern's request, in accordance with the LGIP/OATT, but the project's queue position is still active and appropriate. These studies are available and posted on this site.
46	8	June 5, 2006	Meagher County, Montana	100 kV line between Loweth and Two Dot at Groveland	Network Resource		September 1, 2007	Wind	10 MW	10 MW	Active	Feasibility Study System Impact Study	Certain studies in the interconnection process for this project have been delayed due to customer requests or at NorthWestern's request, in accordance with the LGIP/OATT, but the project's queue position is still active and appropriate. These studies are available and posted on this site.
47	9	June 8, 2006	Liberty County, Montana	69 kV line at Chester	Network Resource		December 31, 2009	Wind	20 MW	20 MW	Active	Feasibility System Impact Study	Output size increased to 20 MW from 19.5 MW. Certain studies in the interconnection process for this project have been delayed due to customer requests or at NorthWestern's request, in accordance with the LGIP/OATT, but the project's queue position is still active and appropriate. These studies are available and posted on this site.
49	10	June 16, 2006	Cascade County, Montana	Rainbow Switchyard	Network Resource		December 31, 2011	Hydro	23 MW	23 MW	Active	Feasibility System Impact Study	Certain studies in the interconnection process for this project have been delayed due to customer requests or at NorthWestern's request, in accordance with the LGIP/OATT, but the project's queue position is still active and appropriate. These studies are available and posted on this site.
51	11	August 21, 2006	Teton County, Montana	Fairfield Substation	Network Resource		December 31, 2009	Hydro	15 MW	15 MW	Active		Customer granted extension to provide site control.
53	12	December 6, 2006	Cascade County, Montana	Great Falls 230 kV Switchyard	Energy Resource		September 1, 2009	Gas Fired	277 MW	277 MW	Active	Feasibility System Impact Study	Reduced MW to 277 MW from 290 MW at Customer's Request. Certain studies in the interconnection process for this project have been delayed due to customer requests or at NorthWestern's request, in accordance with the LGIP/OATT, but the project's queue position is still active and appropriate. These studies are available and posted on this site.
54	13	February 23, 2007	Sweet Grass and Stillwater County, Montana	230 kV line from Wilsall to Shorey Road	Energy Resource Network Resource		December 31, 2008	Wind	100 MW	100 MW	Active		Certain studies in the interconnection process for this project have been delayed due to customer requests or at NorthWestern's request, in accordance with the LGIP/OATT, but the project's queue position is still active and appropriate. These studies are available and posted on this site.
57	14	March 8, 2007	Madison County, Montana	Bradley Creek Substation	Network Resource Energy Resource		December 31, 2008	Wind	85 MW	85 MW	Active	Feasibility System Impact Study	Output reduced from 149 MW to 85 MW per Section 4.4.1 of the LGIP. Certain studies in the interconnection process for this project have been delayed due to customer requests or at NorthWestern's request, in accordance with the LGIP/OATT, but the project's queue position is still active and appropriate.
58	15	March 9, 2007	Madison County, Montana	100 kV line approximately 2.2 miles north of Bradley Creek Substation.	Network Resource		September 30, 2008	Wind	10 MW	10 MW	Active	Feasibility System Impact Study	
60	16	April 27, 2007	Madison County, Montana	100 kV line approximately 1.5 miles north of Bradley Creek Substation.	Network Resource		December 31, 2008	Wind	20 MW	20 MW	Active	Feasibility System Impact Study	
62	18	May 25, 2007	Teton County, Montana	69 kV line between Fairfield and Bole	Network Resource		June 1, 2009	Hydro	11.5 MW	11.5 MW	Active		Certain studies in the interconnection process for this project have been delayed due to customer requests or at NorthWestern's request, in accordance with the LGIP/OATT, but the project's queue position is still active and appropriate. These studies are available and posted on this site.
63	19	June 11, 2007	Rosebud County, Montana	69 kV line near Sumatra Substation	Network Resource		December 31, 2008	Wind	5 MW	5 MW	Active	Feasibility	

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65	20	June 11, 2007	Rosebud County, Montana	69 kV line near Sumatra Substation	Network Resource		December 31, 2008	Wind	5 MW	5 MW	Active	Feasibility	
66	21	June 11, 2007	Rosebud County, Montana	69 kV line near Sumatra Substation	Network Resource		December 31, 2008	Wind	5 MW	5 MW	Active	Feasibility	
67	22	June 11, 2007	Rosebud County, Montana	69 kV line near Sumatra Substation	Network Resource		December 31, 2008	Wind	5 MW	5 MW	Active	Feasibility	
68	23	June 11, 2007	Rosebud County, Montana	69 kV line near Sumatra Substation	Network Resource		December 31, 2008	Wind	5 MW	5 MW	Active	Feasibility	
69	24	June 11, 2007	Rosebud County, Montana	69 kV line near Sumatra Substation	Network Resource		December 31, 2008	Wind	5 MW	5 MW	Active	Feasibility	
70	25	June 11, 2007	Rosebud County, Montana	69 kV line near Sumatra Substation	Network Resource		December 31, 2008	Wind	5 MW	5 MW	Active	Feasibility	
71	26	June 11, 2007	Rosebud County, Montana	69 kV line near Sumatra Substation	Network Resource		December 31, 2008	Wind	5 MW	5 MW	Active	Feasibility	
72	27	June 11, 2007	Rosebud County, Montana	69 kV line near Sumatra Substation	Network Resource		December 31, 2008	Wind	5 MW	5 MW	Active	Feasibility	
73	28	July 13, 2007	Glacier County, Montana	Cut Bank 115 kV Substation between Cut Bank & Shelby	Network Resource		November 30, 2008	Wind	100 MW	100 MW	Active	Feasibility System Impact Study	Certain studies in the interconnection process for this project have been delayed due to customer requests or at NorthWestern's request, in accordance with the LGIP/OATT, but the project's queue position is still active and appropriate. These studies are available and posted on this site.
74	29	September 11, 2007	Silver Bow County, Montana	ASMI 161 kV Substation	Network Resource		July 1, 2010	Gas Fired	280 MW	280 MW	Active	Feasibility	Project clarified project output was 280 MW not 250 MW per scoping meeting. Output reduced from 280 MW to 230 MW per Section 4.4.1 of the LGIP.
75	30	September 17, 2007	Madison County, Montana	161 kV line approx 5 miles north of the Bradley Creek Substation	Network Resource Energy Resource		December 31, 2008	Wind	75.6 MW	75.6 MW	Active	Feasibility	
76	31	September 17, 2007	Madison County, Montana	100 kV line approx 5 miles north of the Bradley Creek Substation	Network Resource Energy Resource		December 31, 2008	Wind	75.6 MW	75.6 MW	Active	Feasibility	
77	32	December 6, 2007	Deer Lodge County, Montana	Millcreek Substation 230kV Switchyard	Network Resource Energy Resource	Yes	December 24, 2010	Gas Fired	213 MW	213 MW	Active	Feasibility	Project clarified project output was 213 MW not 203 MW per scoping meeting.
78	33	December 11, 2007	Glacier County, Montana	115kV between Cut Bank & Conrad	Energy Resource		November 30, 2008	Wind	100 MW	100 MW	Active	System Impact Study	
79	34	January 17, 2008	Sweet Grass and Stillwater County, Montana	230kV Bus at Broadview 500kV:230kV Station	Network Resources		December 31, 2013	Wind	200 MW	200 MW	Active		Project clarified Point of Interconnection was the 230kV Bus at Broadview 500kV:230kV station not 230 kV line from Wilsall to Shorey Road per scoping meeting.
80	35	February 28, 2008	Sweet Grass County	North River Road	Network Resource Energy Resource		September 18, 2009	Wind	80 MW	80 MW	Active		
81	36	March 11, 2008	Cascade County, Montana	Near Rainbow Switchyard	Network Resource Energy Resource		May, 2011	Hydro	12 MW	12 MW	Active		
82	37	March 11, 2008	Cascade County, Montana	Near Rainbow Switchyard	Network Resource Energy Resource		February, 2010	Hydro	Effeciency Improvement	Effeciency Improvement	Active		
83	38	March 11, 2008	Cascade County, Montana	Near Rainbow Switchyard	Network Resource Energy Resource		2018	Hydro	52 MW	52 MW	Active		
84	39	March 17, 2008	Choteau County, Montana	69kV between Big Sandy & Loma Substation	Network Resource		June 30, 2009	Wind	20 MW	20 MW	Active		
85	40	March 17, 2008	Wheatland County, Montana	Near Shawmut	Network Resource		May 1, 2011	Wind	10 MW	10 MW	Active		In-Service Date clarified at the Scoping Meeting.
86	41	April 14, 2008	Glacier County, Montana	Near Glacier	Network Resource		December 31, 2008	Wind	10 MW	10 MW	Active		
87	42	April 18, 2008	Glacier County, Montana	Cut Bank 115 kV Substation between Cut Bank & Shelby	Energy Resource		November 30, 2008	Wind	100 MW	100 MW	Active		
88	43	April 22, 2008	Park County, Montana	Near Livingston City Substation	Network Resource		December 31, 2009	Wind	20 MW	20 MW	Active		
89	44	April 24, 2008	Meagher County, Montana	100 kV line between Loweth and Two Dot at Groveland.	Network Resource		July 31, 2009	Wind	20 MW	20 MW	Active		
90	45	May 5, 2008	Golden Valley County, Montana	Harlowton to Broadview 115kV Line	Network Resource		December 31, 2011	Wind	80 MW	80 MW	Active		
91	46	May 5, 2008	Golden Valley County, Montana	Harlowton to Broadview 230kV Line	Network Resource		December 31, 2013	Wind	280 MW	280 MW	Active		
92	47	May 21, 2008	Cascade County, Montana	South of Manchester, Montana	Network Resource		Upon completion of interconnection process.	Wind	10 MW	10 MW	Active		